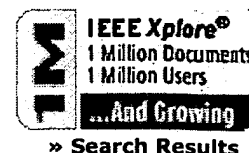




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16 **An application of a risk based methodology for defining security rules against voltage collapse**

Lebrevelc, C.; Schlumberger, Y.; de Pasquale, M.;

Power Engineering Society Summer Meeting, 1999. IEEE , Volume: 1 , 18-22 July 1999

Pages:185 - 190 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(576 KB\)\]](#) IEEE CNF

17 **Circular blocking in flexible manufacturing systems: a matrix-based analysis**

Gurel, A.; Lewis, F.L.; Bogdan, S.; Pastravanu, O.C.;

Control Applications, 1998. Proceedings of the 1998 IEEE International Conference on , Volume: 2 , 1-4 Sept. 1998

Pages:786 - 791 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(476 KB\)\]](#) IEEE CNF

18 **Using simulation-based finite capacity planning and scheduling software to improve cycle time in front end operations**

Thompson, M.;

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Niimura, T.; Yokoyama, R.;

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[\[Abstract\]](#) [\[PDF Full-Text \(300 KB\)\]](#) IEEE CNF

20 A prototype expert system for analysis of turbine engine components

Papp, M.L.; Braisted, W.R.; Taylor, R.F.;

Aerospace and Electronics Conference, 1992. NAECON 1992., Proceedings of the IEEE 1992 National , 18-22 May 1992

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21 A heuristic-based car shop scheduling application

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Pages:128 - 135

[\[Abstract\]](#) [\[PDF Full-Text \(560 KB\)\]](#) IEEE CNF

22 On board data fusion and decision system used for obstacle detection: a network and a real time approach

Chehira, A.; Reynaud, R.; Maurin, T.; Berschandy, D.;

Real Time Systems, 1991. Proceedings., Euromicro '91 Workshop on , 12-14 June 1991

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23 The constraint-based paradigm: integrating object-oriented and rule-based programming

van Biema, M.; Maguire, G.Q.; Stolfo, S.;

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24 Wafer fabrication scheduling using flow rate control strategy

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Semiconductor Manufacturing Science Symposium, 1989. ISMSS 1989., IEEE/SEMI International , 22-24 May 1989

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25 Design concepts for knowledge-based route guidance systems

Karimi, H.A.; Krakiwsky, E.J.;

Position Location and Navigation Symposium, 1988. Record. 'Navigation into the 21st Century'. IEEE PLANS '88., IEEE , 29 Nov.-2 Dec. 1988

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26 An extended horizon scheduling algorithm for the job-shop problem

Bispo, C.F.G.; Sentieiro, J.J.;

Computer Integrated Manufacturing, 1988., International Conference on , 23-25

May 1988
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[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) **IEEE CNF**

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1 [Scalable packet classification](#)

Florin Baboescu, George Varghese

 August 2001 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2001 conference o Applications, technologies, architectures, and protocols for computer communications, v**

Full text available: pdf(242.61 KB)

Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)2 [DB-1 \(databases\): data integration: Extending and inferring functional dependencies in schema transfo](#)

Qi He, Tok Wang Ling

November 2004 **Proceedings of the Thirteenth ACM conference on Information and knowledge manage**

Full text available: pdf(349.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We study the representation, derivation and utilization of a special kind of constraints in multidatabase system challenge is when component database schemas are <i>schematic discrepant</i> from each other, i.e., data one database correspond to schema labels of another. We propose "qualified functional dependencies" (or qua an extension to conventional FDs to formalize integrity constraints in multidatabase systems. We first give Inf to deri ...

Keywords: functional dependency, multidatabase, schema integration, schematic discrepancy3 [Parallel execution of prolog programs: a survey](#)

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Full text available: pdf(1.95 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

Since the early days of logic programming, researchers in the field realized the potential for exploitation of pa present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and thei transparency, among other characteristics, make logic programs interesting candidates for obtaining speedup parallel execution. At the same time, the fact that the typical applications of logic programming frequently inv irregular computatio ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog4 [Model independent assertions for integration of heterogeneous schemas](#)

Stefano Spaccapietra, Christine Parent, Yann Dupont

July 1992 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 1 Issue 1

Full text available:  [pdf\(2.15 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Due to the proliferation of database applications, the integration of existing databases into a distributed or fed system is one of the major challenges in responding to enterprises' information requirements. Some proposed techniques aim at providing database administrators (DBAs) with a view definition language they can use to build a desired integrated schema. These techniques leave to the DBA the responsibility of appropriately restructuring elements from existing databases ...

Keywords: conceptual modeling, database design and integration, distributed databases, federated database heterogeneous databases, schema integration

5 Physical database design for relational databases

S. Finkelstein, M. Schkolnick, P. Tiberio

March 1988 **ACM Transactions on Database Systems (TODS)**, Volume 13 Issue 1

Full text available:  [pdf\(2.99 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper describes the concepts used in the implementation of DBDSGN, an experimental physical design tool for relational databases developed at the IBM San Jose Research Laboratory. Given a workload for System R (a set of SQL statements and their execution frequencies), DBDSGN suggests physical configurations for efficient performance. Each configuration consists of a set of indices and an ordering for each table. Workload statements were evaluated only for atomic configurations ...

6 Natural language querying of historical databases

James Clifford

December 1988 **Computational Linguistics**, Volume 14 Issue 4

Full text available:  [pdf\(2.82 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper we examine the connection between two areas of semantics, namely the semantics of historical databases and the semantics of natural language querying, and link them together via a common view of the semantics. Since the target application domain is an historical database, we present the essential features of the Historical Database Model (HRDM), an extension to the relational model motivated by the desire to incorporate more "rich" semantics into a database ...

7 A system for transformational analysis

Susumu Kuno

May 1965 **Proceedings of the 1965 conference on Computational linguistics**

Full text available:  [pdf\(1.71 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

A system is proposed here for assigning a derived P-marker to a given transformed sentence and obtaining the corresponding base P-marker at the same time. Rules of analytical phrase-structure grammar for such a system are associated with them information pertaining to the transformational histories of their own derivation. When a structure analysis of the sentence is obtained, the set of grammar rules used for the analysis contains all the necessary for the direct mapping of ...

8 A model of authorization for next-generation database systems

Fausto Rabitti, Elisa Bertino, Won Kim, Darrell Woelk

March 1991 **ACM Transactions on Database Systems (TODS)**, Volume 16 Issue 1

Full text available:  [pdf\(2.79 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The conventional models of authorization have been designed for database systems supporting the hierarchical and relational models of data. However, these models are not adequate for next-generation database systems that support richer data models that include object-oriented concepts and semantic data modeling concepts. Rabitti and Kim [14] presented a preliminary model of authorization for use as the basis of an authorization mechanism for database systems. In this paper ...

Keywords: object-oriented database, semantic database

9 Attribute grammar paradigms—a high-level methodology in language implementation

Jukka Paakki

June 1995 **ACM Computing Surveys (CSUR)**, Volume 27 Issue 2

Full text available:  pdf(5.15 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Attribute grammars are a formalism for specifying programming languages. They have been applied to a great number of systems automatically producing language implementations from their specifications. The systems and their languages can be evaluated and classified according to their level of application support, linguistic characteristics, degree of automation. A survey of attribute grammar-based specification languages is given. The modern advanced specification ...

Keywords: attribute grammars, blocks, classes, compiler writing systems, functional dependencies, incomplete incrementality, inheritance, language processing, language processor generators, lazy evaluation, logical variables, objects, parallelism, processes, programming paradigms, semantic functions, symbol tables, unification

10 Specification and dialogue control of visual interaction through visual rewriting systems

P. Bottoni, M. F. Costabile, P. Mussio

November 1999 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 21 Issue 6

Full text available:  pdf(886.71 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Computers are increasingly being seen not only as computing tools but more so as communication tools, thus placing special emphasis on human-computer interaction (HCI). In this article, the focus is on visual HCI, where the media exchanged between human and computer are images appearing on the computer screen, as usual in current interfaces. We formalize interactive sessions of a human-computer dialogue as a structured set of legal visual actions, i.e., as a visual language ...

Keywords: control automaton, dialogue control, visual languages

11 Consistency and orderability: semantics-based correctness criteria for databases

Divyakant Agrawal, Amr El Abbadi, Ambuj K. Singh

September 1993 **ACM Transactions on Database Systems (TODS)**, Volume 18 Issue 3

Full text available:  pdf(1.92 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The semantics of objects and transactions in database systems are investigated. User-defined predicates called consistency assertions are used to specify user programs. Three new correctness criteria are proposed. The first correctness criterion consistency is based solely on the users' specifications and admit nonserializable executions acceptable to the users. Integrity constraints of the database are maintained through consistency assertions.

Keywords: concurrency control, object-oriented databases, semantics, serializability theory

12 A structured approach for the definition of the semantics of active databases

Piero Fraternali, Letizia Tanca

December 1995 **ACM Transactions on Database Systems (TODS)**, Volume 20 Issue 4

Full text available:  pdf(4.15 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Active DBMSs couple database technology with rule-based programming to achieve the capability of reaction (and possibly external) stimuli, called events. The reactive capabilities of active databases are useful for a wide range of applications, including security, view materialization, integrity checking and enforcement, or heterogeneous integration, which makes this technology very promising for the near future. An active database system consists of ...

Keywords: active database systems, database rule processing, events, fixpoint semantics, rules, semantics

13 Knowledge based approach for the verification of CAD database generated by an automated schematization system

J. Y. Tou, W. H. Ki, K. C. Fan, C. L. Huang

October 1987

Proceedings of the 24th ACM/IEEE conference on Design automation

Full text available:  pdf(765.41 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

CAD database generated by an automatic schematic capture system needs to be verified before it can be used automation. This verification is best performed by a knowledge-based expert system. Presented in this paper design of a knowledge-based system for the verification of CAD database generated by AUTORED. Database-d pattern-directed inference technique is employed to identify and correct erroneous data records due to misrec This knowledge-based verification ...

14 A prototype implementation of the SQL Ada module extension (SAME) method

Allison LeClair, Susan Phillips

December 1990 **Proceedings of the conference on TRI-ADA '90**

Full text available:  pdf(1.20 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

As Ada becomes more widespread, the ability to access commercial database technologies through Ada system a significant issue. Researchers throughout our industry are investigating interface approaches between Ada a technologies, including language bindings between Ada and SQL, a relational data base language. This paper recent implementation of one such binding—the SQL Ada Module Extension (SAME) method.

15 Subtyping recursive types

Roberto M. Amadio, Luca Cardelli

September 1993 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 15 Issue 4

Full text available:  pdf(3.29 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We investigate the interactions of subtyping and recursive types, in a simply typed λ -calculus. The two fun questions here are whether two (recursive)types are in the subtype relation and whether a term has a type. T the first question, we relate various definitions of type equivalence and subtyping that are induced by a mode ordering on infinite trees, an algorithm, and a set of type rules. We show soundness and completeness among the algorithm, and the ...

Keywords: coercions, lambda-calculus, partial-equivalence relations, recursive types, regular trees, subtypin orderings, type equivalence, typechecking algorithm

16 Undecidable optimization problems for database logic programs

Haim Gaifman, Harry Mairson, Yehoshua Sagiv, Moshe Y. Vardi

July 1993 **Journal of the ACM (JACM)**, Volume 40 Issue 3

Full text available:  pdf(2.22 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Datalog, boundedness, query language, recursion

17 Concurrency control: methods, performance, and analysis

Alexander Thomasian

March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

Full text available:  pdf(427.18 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Markov chains, adaptive methods, concurrency control, data contention, deadlocks, flow diagram control, optimistic concurrency control, queueing network models, restart-oriented locking methods, serializa thrashing, two-phase locking, two-phase processing, wait depth limited methods

18 Special issue on on inductive logic programming: Learning semantic lexicons from a part-of-speech an semantically tagged corpus using inductive logic programming

Vincent Claveau, Pascale Sébillot, Cécile Fabre, Pierrette Bouillon

December 2003 **The Journal of Machine Learning Research**, Volume 4

Full text available:  pdf(215.86 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an inductive logic programming learning method designed to acquire from a corpus spec Verb (N-V) pairs---relevant in information retrieval applications to perform index expansion---in order to build semantic lexicons based on Pustejovsky's generative lexicon (GL) principles (Pustejovsky, 1995). In one of the components of this lexical model, called the *qualia structure*, words are described in terms of semantic roles. For example, the *qualia structure* ...

19 Expressiveness of the operation set of a data abstraction

Deepak Kapur, Srivas Mandayam

January 1980 **Proceedings of the 7th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Full text available:  pdf(1.49 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In a strongly typed system supporting user defined data abstractions, the designer of a data abstraction ought to be careful in choosing the operations for the abstraction. If the operation set chosen is not expressive enough, it is impossible or inconvenient to implement certain useful functions on the values of the data abstraction. In this paper, we characterize the expressive power of the operation set by defining two properties for data abstractions - *expressiveness* and *completeness* ...

20 A database model for object dynamics

M. P. Papazoglou, B. J. Krämer

May 1997 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 6 Issue 2

Full text available:  pdf(313.64 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

To effectively model complex applications in which constantly changing situations can be represented, a database must be able to support the runtime specification of structural and behavioral nuances for objects on an individual group basis. This paper introduces the role mechanism as an extension of object-oriented databases to support unanticipated behavioral oscillations for objects that may attain many types and share a single object identity. The role mechanism refers to the ability to represent ...

Keywords: Dynamic class hierarchy, Dynamic object re-classification, Object migration, Object role model, Object oriented database systems

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21 [Consequences of assuming a universal relation](#)

W. Kent

December 1981 **ACM Transactions on Database Systems (TODS)**, Volume 6 Issue 4

Full text available: pdf(1.18 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

Although central to the current direction of dependency theory, the assumption of a universal relation is incom some aspects of relational database theory and practice. Furthermore, the universal relation is itself ill defined important ways. And, under the universal relation assumption, the decomposition approach to database design virtually indistinguishable from the synthetic approach.

Keywords: database design, dependency theory, rational database, relational theory, universal relation

22 [The complexity of probabilistic verification](#)

Costas Courcoubetis, Mihalis Yannakakis

July 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 4

Full text available: pdf(4.14 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#), [review](#)

We determine the complexity of testing whether a finite state, sequential or concurrent probabilistic program specification expressed in linear-time temporal logic. For sequential programs, we present an algorithm that r linear in the program and exponential in the specification, and also show that the problem is in PSPACE, matc known lower bound. For concurrent programs, we show that the problem can be solved in time polynomial in and doubly exp ...

Keywords: EXPTIME-complete, Markov chain, PSPACE-complete, automata, model checking, probabilistic alg temporal logic

23 [Array SSA form and its use in parallelization](#)

Kathleen Knobe, Vivek Sarkar

January 1998 **Proceedings of the 25th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Full text available: pdf(1.99 MB)



Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

24 [Unification encodings of grammatical notations](#)

Stephen G. Pulman

September 1996 **Computational Linguistics**, Volume 22 Issue 3

Full text available:

 [pdf\(2.01 MB\)](#)  [Publisher](#)
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Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



This paper describes various techniques for enriching unification-based grammatical formalisms with notation that are compiled into categories and rules of a standard unification grammar. This enables grammarians to a themselves of apparently richer notations that allow for the succinct and relatively elegant expression of gram facts, while still allowing for efficient processing for the analysis or synthesis of sentences using such gramma

25 An alternative conception of tree-adjoining derivation

Yves Schabes, Stuart M. Shieber

March 1994 **Computational Linguistics**, Volume 20 Issue 1

Full text available:

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Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The precise formulation of derivation for tree-adjoining grammars has important ramifications for a wide varie the formalism, from syntactic analysis to semantic interpretation and statistical language modeling. We argue definition of tree-adjoining derivation must be reformulated in order to manifest the proper linguistic depende derivations. The particular proposal is both precisely characterizable through a definition of TAG derivations a equivalence classes of ...

26 Functional dependencies in Horn clause queries

Alberto O. Mendelzon, Peter T. Wood

March 1991 **ACM Transactions on Database Systems (TODS)**, Volume 16 Issue 1

Full text available:  [pdf\(1.64 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

When a database query is expressed as a set of Horn clauses whose execution is by top-down resolution of go a need to improve the backtracking behavior of the interpreter. Rather than putting on the programmer the o extra-logical operators such as cut to improve performance, we show that some uses of the cut can be autom inferring them from functional dependencies. This requires some knowledge of which variables are guaranteed bound at ...

Keywords: data flow analysis, functional dependency, logic programming, relational database

27 The entity-relationship model—toward a unified view of data

Peter Pin-Shan Chen

March 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 1

Full text available:  [pdf\(1.72 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A data model, called the entity-relationship model, is proposed. This model incorporates some of the importan information about the real world. A special diagrammatic technique is introduced as a tool for database design example of database design and description using the model and the diagrammatic technique is given. Some for data integrity, information retrieval, and data manipulation are discussed. The entity-relationship model ca as a basi ...

Keywords: Data Base Task Group, data definition and manipulation, data integrity and consistency, data mo database design, entity set model, entity-relationship model, logical view of data, network model, relational semantics of data

28 The predictive analyzer and a path elimination technique

Susumu Kuno

July 1965 **Communications of the ACM**, Volume 8 Issue 7

Full text available:  [pdf\(1.27 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Some of the characteristic features of a predictive analyzer, a system of syntactic analysis now operational at an IBM 7094, are delineated. The advantages and disadvantages of the system are discussed in comparison t an immediate constituent analyzer, developed at the RAND Corporation with Robinson's English grammar. In new technique is described for repetitive path elimination for a predictive analyzer, which can now claim effici

processing tim ...

29 Oriented projective geometry

J. Stolfi

October 1987 **Proceedings of the third annual symposium on Computational geometry**

Full text available:  pdf(1.15 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Oriented projective geometry is a model for geometric computation that combines the elegance of classical projective geometry with the ability to talk about oriented lines and planes, signed angles, line segments, convex figures and other concepts that cannot be defined within the classical version. Classical projective geometry is the implicit foundation of many geometric computations, since it underlies the well-known homogeneous coordinate representation.

30 A distributed object-oriented database system supporting shared and private databases

Won Kim, Nat Ballou, Jorge F. Garza, Darrell Woelk

January 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 1

Full text available:  pdf(1.58 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

ORION-2 is a commercially available, federated, object-oriented database management system designed and implemented at MCC. One major architectural innovation in ORION-2 is the coexistence of a shared database and a number of private databases. The shared database is accessible to all authorized users of the system, while each private database is accessible to only the user who owns it. A distributed database system with a shared database and private databases for individual users is a natural extension of a centralized database system.

Keywords: client-server architecture, federated databases, object-oriented databases

31 Specifying Kerberos 5 cross-realm authentication

I. Cervesato, A. D. Jaggard, A. Scedrov, C. Walstad

January 2005 **Proceedings of the 2005 workshop on Issues in the theory of security**

Full text available:  pdf(228.62 KB)



Additional Information: [full citation](#), [abstract](#), [references](#)

Cross-realm authentication is a useful and interesting component of Kerberos aimed at enabling secure access across organizational boundaries. We present a formalization of Kerberos 5 cross-realm authentication in MSR's specification language based on multiset rewriting. We also adapt the Dolev-Yao intruder model to the cross-realm authentication and prove an important property for a critical field in a cross-realm ticket. Finally, we document several failure scenarios.

32 Parsing some constrained grammar formalisms

K. Vijay-Shanker, David J. Weir

December 1993 **Computational Linguistics**, Volume 19 Issue 4

Full text available:  pdf(2.50 MB)  [Publisher Site](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper we present a scheme to extend a recognition algorithm for Context-Free Grammars (CFG) that can be used to derive polynomial-time recognition algorithms for a set of formalisms that generate a superset of languages generated by CFG. We describe the scheme by developing a Cocke-Kasami-Younger (CKY)-like pure bottom-up recognition algorithm for Linear Indexed Grammars and show how it can be adapted to give algorithms for Tree Adjoining Grammar and Combinatory Categorical Grammars. The ...

33 XML transactions: Efficient synchronization for mobile XML data

Franky Lam, Nicole Lam, Raymond Wong

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Full text available:  pdf(116.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many handheld applications receive data from a primary database server and operate in an intermittently connected environment these days. They maintain data consistency with data sources through synchronization. In certain applications such as sales force automation, it is highly desirable if updates on the data source can be reflected at the handheld applications immediately. This paper proposes an efficient method to synchronize XML data on multiple mobile devices.


Each device retrieves and cac ...

Keywords: XML, information dissemination, information subscription, path containment

34 Data object and label placement for information abundant visualizations

Jia Li, Catherine Plaisant, Ben Shneiderman

November 1998 **Proceedings of the 1998 workshop on New paradigms in information visualization and manipulation**

Full text available:  [pdf\(1.21 MB\)](#)


Additional Information: [full citation](#), [references](#), [citing](#)s, [index terms](#)

Keywords: control panel, data object placement, information visualization, label placement, metrics, timeline feedback

35 A direct algorithm for type inference in the rank-2 fragment of the second-order λ -calculus

A. J. Kfoury, J. B. Wells

July 1994 **ACM SIGPLAN Lisp Pointers , Proceedings of the 1994 ACM conference on LISP and functional programming**, Volume VII Issue 3

Full text available:  [pdf\(1.23 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#)s, [index terms](#)



We examine the problem of type inference for a family of polymorphic type systems containing the power of C. This family comprises the levels of the stratification of the second-order λ -calculus (system F) by "rank" to show that typability is an undecidable problem at every rank $k \geq 3$. While it was already known that typability at rank 2, no direct and easy-to-implement algorithm was available. We develop a new notation ...

36 The acquisition and use of context-dependent grammars for English

Robert F. Simmons, Yeong-Ho Yu

December 1992 **Computational Linguistics**, Volume 18 Issue 4

Full text available:

 [pdf\(1.70 MB\)](#)  [Publisher](#)
[Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#)s



This paper introduces a paradigm of context-dependent grammar (CDG) and an acquisition system that, through interactive teaching sessions, accumulates the CDG rules. The resulting context-sensitive rules are used by a based, shift/reduce parser to compute unambiguous syntactic structures of sentences. The acquisition system have been applied to the phrase structure and case analyses of 345 sentences, mainly from newswire stories, accuracy. Extrapolation from our current ...

37 Translating Spanish into logic through logic

Veronica Dahl

July 1981 **Computational Linguistics**, Volume 7 Issue 3

Full text available:

 [pdf\(1.42 MB\)](#)  [Publisher](#)
[Site](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#)s

We discuss the use of logic for natural language (NL) processing, both as an internal query language and as a programming tool. Some extensions of standard predicate calculus are motivated by the first of these roles. A system including these extensions is informally described. It incorporates semantic as well as syntactic NL features. Its semantics in a given interpretation (or data base) determines the answer-extraction process. We also present a programmed analyser that translates ...

38 An analysis of BGP convergence properties

Timothy G. Griffin, Gordon Wilfong

August 1999 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 29 Issue 4

Full text available:  [pdf\(1.35 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#)s, [index terms](#)

The Border Gateway Protocol (BGP) is the *de facto* inter-domain routing protocol used to exchange reachability

information between Autonomous Systems in the global Internet. BGP is a path-vector protocol that allows ea Autonomous System to override distance-based metrics with policy-based metrics when choosing best routes *et al.* [18] have shown that it is possible for a group of Autonomous Systems to independently define BGP pol together lead to BGP protocol os ...

39 Active database systems

Norman W. Paton, Oscar Díaz

March 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 1

Full text available:  pdf(2.68 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Active database systems support mechanisms that enable them to respond automatically to events that are ta either inside or outside the database system itself. Considerable effort has been directed towards improving understanding of such systems in recent years, and many different proposals have been made and application suggested. This high level of activity has not yielded a single agreed-upon standard approach to the integratio functionality with conventional databa ...

Keywords: active databases, events, object-oriented databases, relational databases

40 Querying database knowledge

Amihai Motro, Qihui Yuan

May 1990 **ACM SIGMOD Record , Proceedings of the 1990 ACM SIGMOD international conference on Management of data**, Volume 19 Issue 2

Full text available:  pdf(1.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The role of database knowledge is usually limited to the evaluation of data queries. In this paper we argue tha knowledge is of substantial volume and complexity, there is genuine need to query this repository of informat Moreover, since users of the database may not be able to distinguish between information that is data and inf that is knowledge, access to knowledge and data should be provided with a single, coherent instrument. We p informal review of vari ...

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1 Trajectory segmentation for the autonomous control of backward motion for truck and trailer

Zobel, D.;

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2 A control method to reduce the standard deviation of flow time in wafer fabrication

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